

To: Jones, Rhea[Jones.Rhea@epa.gov]; Keating, Martha[keating.martha@epa.gov]; Palma, Elizabeth[Palma.Elizabeth@epa.gov]
From: Mathias, Scott
Sent: Fri 7/18/2014 7:26:17 PM
Subject: FW: PM in MO

fyi

Scott Mathias | Associate Director, Air Quality Policy Division | U.S. EPA, RTP, NC 27711 | 919.541.5310

From: Weber, Rebecca
Sent: Friday, July 18, 2014 3:21 PM
To: Mathias, Scott; Wayland, Richard
Subject: RE: PM in MO

Well I think we can propose in 120 day letter but we may get other thoughts from state back that we may need to consider in our response.

From: Mathias, Scott
Sent: Friday, July 18, 2014 2:05 PM
To: Weber, Rebecca; Wayland, Richard
Subject: RE: PM in MO

Ex. 5 - Deliberative

Scott Mathias | Associate Director, Air Quality Policy Division | U.S. EPA, RTP, NC 27711 | 919.541.5310

From: Weber, Rebecca
Sent: Friday, July 18, 2014 1:54 PM
To: Wayland, Richard; Mathias, Scott
Subject: RE: PM in MO

Ex. 5 - Deliberative

From: Wayland, Richard
Sent: Friday, July 18, 2014 12:50 PM
To: Weber, Rebecca; Mathias, Scott
Subject: RE: PM in MO

Ex. 5 - Deliberative

Not Responsive

Chet

Richard A. "Chet" Wayland | Director | Air Quality Analysis Division - Mail Code C304-02 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Desk: 919-541-4603 | Cell: 919-606-0548 | Fax: 919-685-3377 |

From: Weber, Rebecca
Sent: Friday, July 18, 2014 1:29 PM
To: Wayland, Richard; Mathias, Scott
Subject: PM in MO

Ex. 5 - Deliberative

Not Responsive

To: Keating, Martha[keating.martha@epa.gov]
From: Jones, Rhea
Sent: Tue 7/22/2014 5:56:11 PM
Subject: RE: To-Do list for PM designations

Great! Thanks!

From: Keating, Martha
Sent: Tuesday, July 22, 2014 1:52 PM
To: Jones, Rhea
Subject: RE: To-Do list for PM designations

Changes in red.

Martha H. Keating
Geographic Strategies Group
Air Quality Policy Division
Office of Air Quality Planning and Standards (C539-04)
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711
(919) 541-9407

From: Jones, Rhea
Sent: Tuesday, July 22, 2014 1:46 PM
To: Keating, Martha
Subject: RE: To-Do list for PM designations

Thanks Martha,

I've modified the list for the purpose of sharing with Scott, Chet and Liz. Let me know if I've missed any action steps, or if you disagree with assignments.

Before Thursday's meeting with OAR:

1. Discussion with Region 4 (DD level) and Region 5 (if needed) re: **Ex. 5 - Deliberative**
Ex. 5 - Deliberative

- a. **Ex. 5 - Attorney Client** (AQPD/AQAD)
- b. Share outcomes of OGC discussion and additional information, (contribution analysis from AQAD), with Scott and Chet for R4 discussion
- c. Update briefing slides if needed, (AQPD)

2. Discuss and clarify, for unclassifiable and deferral areas, which counties to include in our designations/deferrals. **Ex. 5 - Deliberative**

Ex. 5 - Deliberative

- a. Confirm rationale for determining counties to include in both situations (**Ex. 5 - Deliberative** **Ex. 5 - Deliberative**) (AQPD and AQAD)
- b. Provide direction for Regions on what to include in TSDs to support our decisions for counties to include in unclassifiable areas, (AQAD)
- c. Provide direction for Regions on what's needed to document our decisions for deferral areas (AQAD)

ASAP, (but not needed for Thursday's meeting with OAR):

3. Identify the documentation needed to support unclassifiable designations or designations deferrals resulting from data issues terms of TSD content and/or materials for the docket (AQAD lead).

- a. **Ex. 5 - Deliberative**

- b. What is needed for the docket for areas in GA that are being deferred? **Ex. 5 - Deliberative**
Ex. 5 - Deliberative

4. Clarify with AQAD the plan to review TSDs – and which ones are available and/or final at this point.
 - a. Specific review note: attention needs to be paid to how high day contributions are discussed and how they are used for justification for contributing areas.
5. Follow-up with regions on specific TSDs to ask about timing of revisions (AQPD).
6. Clarify with AQAD the maps that are needed for TSD (final area boundaries) (MK meeting with Doug this afternoon 7/22).

From: Keating, Martha
Sent: Tuesday, July 22, 2014 12:06 PM
To: Jones, Rhea
Subject: To-Do list for PM designations

Ex. 5 - Attorney Client

2. Clarify, with AQAD, the unclassifiable areas and define what is needed to support these designations in terms of TSD content and materials for the docket.
3. Clarify, with AQAD the plan to review TSDS – and which ones are available and/or final at this point.
 - a. Specific review note: attention needs to be paid to how high day contributions are discussed and how they are used for justification for contributing areas.
4. Follow-up with regions on specific TSDS to ask about timing of revisions.
5. Discuss and clarify, for unclassifiable areas, where we may need to bring additional areas/counties/CSAs into the unclassifiable designation. What is the rationale for doing so and how is it documented in the TSD?
6. What is needed for inclusion in the docket to support deferring areas in Georgia?

Ex. 5 - Deliberative

Ex. 5 - Deliberative

7. Clarify with AQAD the maps that are needed for TSD (final area boundaries) (MK meeting with Doug this afternoon 7/22).

Martha H. Keating

Geographic Strategies Group

Air Quality Policy Division

Office of Air Quality Planning and Standards (C539-04)

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

(919) 541-9407

To: Frank, Neil[Frank.Neil@epa.gov]; Wayland, Richard[Wayland.Richard@epa.gov]; Naess, Liz[Naess.Liz@epa.gov]; Mathias, Scott[Mathias.Scott@epa.gov]
Cc: Keating, Martha[keating.martha@epa.gov]; Jones, Rhea[Jones.Rhea@epa.gov]; Evangelista, Mark[Evangelista.Mark@epa.gov]; Houyoux, Marc[Houyoux.Marc@epa.gov]
From: Rao, Venkatesh
Sent: Thur 7/31/2014 2:45:09 PM
Subject: RE: Follow-up on PM2.5 Designations [Prescribed Fire Emissions]



Very nice Neil...some minor thoughts/edits from my perspective...for your consideration...

Thanks.

--Tesh

From: Frank, Neil
Sent: Thursday, July 31, 2014 10:24 AM
To: Rao, Venkatesh; Wayland, Richard; Naess, Liz; Mathias, Scott
Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Houyoux, Marc
Subject: RE: Follow-up on PM2.5 Designations [Prescribed Fire Emissions]

I talked to Martha this morning and we decided that I will draft a prescribed fire PM2.5 emissions caveat for her to forward to R4 (today)for their GA TSD narrative. I prepared a paragraph based on the thred of emails over the past few days. Because the paragraph involves emissions, it would be great if EIAG can review this and make any needed edits. If there are no comments by 2pm, she should send and we can still make edits later.

n

Draft Paragraph

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Frank, Neil
Sent: Wednesday, July 30, 2014 11:58 AM
To: Rao, Venkatesh; Wayland, Richard; Naess, Liz; Mathias, Scott
Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Houyoux, Marc
Subject: RE: Follow-up on PM2.5 Designations

Ex. 5 - Deliberative

From: Rao, Venkatesh
Sent: Wednesday, July 30, 2014 10:49 AM
To: Frank, Neil; Wayland, Richard; Naess, Liz; Mathias, Scott
Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Houyoux, Marc
Subject: RE: Follow-up on PM2.5 Designations

I talked to Di Tian from GA DENR as she is the one that works on GA fire emission inventories. GA is one of the few states (in 2011 NEI v1, the ONLY ONE) to submit their own emissions. The reason they do this is that they want to get prescribed fires (locations, durations, and emission levels) just right (they use locally accurate activity data and localized fuel conditions and EFs to estimate emissions---so their estimates are likely of very high quality). EPA estimates on wild fires matched very closely to what GA estimated, but our prescribed fire estimates were not up to par in terms of accuracy according to GA, so they submitted all wild and prescribed fires for GA in the 2011 NEI v1. I consider Di to be a very knowledgeable person on fires. When I asked her about the SW GA counties with lots of direct PM2.5 emissions from fires in 2011, she told me the following things:

- [REDACTED] SW GA has a lot of prescribed fire activity
- [REDACTED] Prescribed fire activity in 2011 in these counties are very similar to other years in GA (I checked 2008 and that is the case), and these counties have a lot of prescribed fires year-to-year
- [REDACTED] She indicated local forest managers who conduct prescribed fires usually follow the Rx fires guidance in terms of when to conduct fires. She has sent an email to someone she knows from the forestry agency in GA asking for more information on that.

Ex. 5 - Deliberative

If you want any additional information from her, just let me know, and I will ask her.

Thanks and FYI.

--Tesh

From: Frank, Neil
Sent: Wednesday, July 30, 2014 8:42 AM
To: Wayland, Richard; Naess, Liz; Mathias, Scott
Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Rao, Venkatesh; Houyoux, Marc
Subject: RE: Follow-up on PM2.5 Designations

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Lets see what Tesh can add to the discussion

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Wayland, Richard

Sent: Wednesday, July 30, 2014 8:17 AM

To: Frank, Neil; Naess, Liz; Mathias, Scott

Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Rao, Venkatesh; Houyoux, Marc

Subject: RE: Follow-up on PM2.5 Designations

Ex. 5 - Deliberative

Chet

Richard A. "Chet" Wayland | Director | Air Quality Analysis Division - Mail Code C304-02 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Desk: 919-541-4603 | Cell: 919-606-0548 | Fax: 919-685-3377 |

From: Frank, Neil

Sent: Wednesday, July 30, 2014 7:44 AM

To: Naess, Liz; Wayland, Richard; Mathias, Scott

Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Rao, Venkatesh; Houyoux, Marc

Subject: RE: Follow-up on PM2.5 Designations

Ex. 5 - Deliberative

These high direct PM emissions are associated with Fires, probably prescribed. Two counties stand out-Thomas to the west of Valdosta with 4K tons of direct POM from fire and Carton with 59K tons. Tesh will be providing more detail.

Ex. 5 - Deliberative

-Neil

To: Wayland, Richard; Mathias, Scott
Cc: Keating, Martha; Jones, Rhea; Evangelista, Mark; Frank, Neil
Subject: Follow-up on PM2.5 Designations

Hey all,

I just wanted to follow-up on Washington Co, Savannah and Valdosta. I was concerned yesterday about deferring those areas, as I know they had incomplete data in years after 2011. Looking into it, it appears that (assuming all goes well in 2014), they will have enough data in those quarters to perform the max substitution test in App N and calculate a valid design value.

So I feel better now about deferring those areas. Just wanted to follow-up in case you noted my skeptical looks during that discussion.

Thanks, Liz

- - - - -

Liz Naess, Ph.D.

Air Quality Analysis Group

U.S. EPA OAQPS/AQAD

Research Triangle Park, NC 27711

919.541.1892

To: Mathias, Scott[Mathias.Scott@epa.gov]; Wayland, Richard[Wayland.Richard@epa.gov]
From: Gettle, Jeaneanne
Sent: Wed 7/23/2014 1:07:31 PM
Subject: Re: checking in on PM

Thanks.

Sent from my BlackBerry 10 smartphone.



Hi Jeaneanne,

I just checked the email I have pasted below from Gregg to Chet,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Worley, Gregg
Sent: Friday, July 18, 2014 2:39 PM
To: Wayland, Richard; Gettle, Jeaneanne; Rinck, Todd
Cc: Mathias, Scott; Solomon, Douglas; Palma, Elizabeth; Jones, Rhea
Subject: RE: Design Value Summary and Maps for Atlanta and Columbus

Chet,

We know that Fire Station #8 will not have a valid design value after 2014 data is included. Every other monitor in the Atlanta area should be able to have a valid design value.

For Columbus, all three monitors on the Georgia side will have valid design values if they continue to collect complete data in 2014.

Gregg

Scott Mathias | Associate Director, Air Quality Policy Division | U.S. EPA, RTP, NC 27711 | 919.541.5310

From: Gettle, Jeaneanne
Sent: Tuesday, July 22, 2014 6:04 PM
To: Mathias, Scott; Wayland, Richard
Subject: Re: checking in on PM

Scott

Ex. 5 - Deliberative

Do we need to discuss further?

Thanks

Jeaneanne

Sent from my BlackBerry 10 smartphone.

From: Mathias, Scott
Sent: Tuesday, July 22, 2014 4:37 PM
To: Wayland, Richard; Gettle, Jeaneanne
Subject: RE: checking in on PM

Here's my scorecard for GA:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Scott Mathias | Associate Director, Air Quality Policy Division | U.S. EPA, RTP, NC 27711 | 919.541.5310

From: Wayland, Richard
Sent: Tuesday, July 22, 2014 4:24 PM
To: Gettle, Jeaneanne; Mathias, Scott
Subject: RE: checking in on PM

Jeaneanne,

Sorry to hear about the power issues in Atlanta. That's kind of a bummer. On Atlanta and Albany... From what I read from Greg's note you forwarded to us,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Is Albany a candidate for deferral with 2014 data being enough?

Chet

Richard A. "Chet" Wayland | Director | Air Quality Analysis Division - Mail Code C304-02 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Desk: 919-541-4603 | Cell: 919-606-0548 | Fax: 919-685-3377 |

From: Gettle, Jeaneanne
Sent: Tuesday, July 22, 2014 2:31 PM
To: Wayland, Richard; Mathias, Scott
Subject: checking in on PM

Chet and Scott;

Just checking in with you on PM designation in GA. Last week you all were continuing to look at Atlanta and Albany.

As you have likely heard, we have an electrical problem in our building here in ATL and are shut down. At this time it looks like this shut down will continue thru this week (at least). Our phones are also off-line.

I am working from home (as needed after today) but available to talk over any issues with you. Our staff are also working on TSDs so having some idea where you are on Albany and Atlanta would be helpful.

My blackberry number is Ex. 6 - Personal Privacy Let me know if you want to schedule a call or just call me at your convenience.

Thanks

jeaneanne

To: Mathias, Scott[Mathias.Scott@epa.gov]
Cc: Naess, Liz[Naess.Liz@epa.gov]; Keating, Martha[keating.martha@epa.gov]; Palma, Elizabeth[Palma.Elizabeth@epa.gov]; Evangelista, Mark[Evangelista.Mark@epa.gov]; Wayland, Richard[Wayland.Richard@epa.gov]
From: Jones, Rhea
Sent: Wed 7/23/2014 11:12:50 AM
Subject: RE: Remaining PMD issues/activities that need attention

Will do. Thanks!

From: Mathias, Scott
Sent: Tuesday, July 22, 2014 4:22 PM
To: Jones, Rhea
Cc: Naess, Liz; Keating, Martha; Palma, Elizabeth; Evangelista, Mark; Wayland, Richard
Subject: RE: Remaining PMD issues/activities that need attention

I'm open for further discussion of a different uniform practice, so let me know. **Ex. 5 - Deliberative**

Ex. 5 - Deliberative

Scott Mathias | Associate Director, Air Quality Policy Division | U.S. EPA, RTP, NC 27711 | 919.541.5310

From: Jones, Rhea
Sent: Tuesday, July 22, 2014 3:05 PM
To: Mathias, Scott
Cc: Naess, Liz; Keating, Martha; Palma, Elizabeth; Evangelista, Mark; Wayland, Richard
Subject: RE: Remaining PMD issues/activities that need attention

Thanks Scott. **Ex. 5 - Deliberative**

Ex. 5 - Deliberative

From: Mathias, Scott
Sent: Tuesday, July 22, 2014 2:44 PM
To: Jones, Rhea
Cc: Naess, Liz; Keating, Martha; Palma, Elizabeth; Evangelista, Mark; Wayland, Richard
Subject: RE: Remaining PMD issues/activities that need attention

Ex. 5 - Deliberative

Scott Mathias | Associate Director, Air Quality Policy Division | U.S. EPA, RTP, NC 27711 | 919.541.5310

From: Jones, Rhea
Sent: Tuesday, July 22, 2014 2:06 PM
To: Mathias, Scott
Cc: Naess, Liz; Keating, Martha; Palma, Elizabeth; Evangelista, Mark
Subject: Remaining PMD issues/activities that need attention

Hi Scott and Chet,

Martha and I have compiled the following list of issues that need attention ASAP to support PM designations decisions. I've attempted to identify which division should take the lead on bringing these issues to resolution, but understand that for the majority of them our groups (AQPD/AQAG) will need to be working together closely. Let us know if you have any direction on how to proceed.

Before Thursday's meeting with OAR:

1. Discussion with Region 4 (DD level) and Region 5 (if needed) re: **Ex. 5 - Deliberative**
Ex. 5 - Deliberative
 - a. **Ex. 5 - Attorney Client**
 - b. Share outcomes of OGC discussion and additional information, (contribution analysis from AQAD), with Scott and Chet for R4 discussion
 - c. Update briefing slides if needed, (AQPD)
2. Discuss and clarify, for unclassifiable and deferral areas, which counties to include in our designations/deferrals. What technical support and documentation is needed to document our rationale?
 - a. Confirm rationale for determining counties to include in both situations (e.g., **Ex. 5 - Deliberative**)
Ex. 5 - Deliberative (AQPD/AQAD)
 - b. Provide direction for Regions on what to include in TSDs to support our decisions for counties to include in unclassifiable areas, (AQAD)
 - c. Provide direction for Regions on what's needed to document our decisions for deferral areas (AQAD)

ASAP, (but not needed for Thursday's meeting with OAR):

3. Identify the documentation needed to support unclassifiable designations or designations deferrals resulting from data issues terms of TSD content and/or materials for the docket (AQAD lead).
 - a. What types of documentation is needed in TSDs for unclassifiable areas?
 - b. What is needed for the docket for areas in GA that are being deferred? **Ex. 5 - Deliberative**
Ex. 5 - Deliberative
4. Clarify with AQAD the plan to review TSDs – and which ones are available and/or final at this point.
 - a. Specific review note: attention needs to be paid to how high day contributions are discussed and how they are used for justification for contributing areas.
5. Follow-up with regions on specific TSDs to ask about timing of revisions (AQPD).
6. Clarify with AQAD the maps that are needed for TSD (final area boundaries) (MK meeting with Doug this afternoon 7/22).

Thank you,

Rhea Jones, Group Leader

Geographic Strategies Group

USEPA - Office of Air Quality and Planning Standards

Air Quality Policy Division

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Research Triangle Park, NC 27711

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